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A new case of homozygous C1-inhibitor deficiency suggests a role for Arg378 in the control of kinin pathway activation (López-Lera et al). 2010;126:1307-10 (Letter to the editor)

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Impaired T-cell receptor activation in IL-1 receptor–associated kinase-4–deficient patients (McDonald et al). 2010;126:332-7

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Respiratory syncytial virus and subsequent recurrent wheezing (Leung and Szefler). 2010;126:223 (The editors' choice)
The effect of respiratory syncytial virus on subsequent recurrent wheezing in atopic and nonatopic children (Simões et al). 2010;126: 256-62

Respiratory system function; *see* Lung function

Respiratory tract diseases
Quo vadis? (Rothenberg and Bousquet). 2010;126: 186 (News beyond our pages)

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Recurrent and persistent respiratory tract viral infections in patients with primary hypogammaglobulinemia (Kainulainen et al). 2010;126:120-6
Respiratory tract infections and not paracetamol medication during infancy are associated with asthma development in childhood (Schnabel and Heinrich). 2010;126:1071-3 (Letter to the editor)
Respiratory tract viral infections are common in patients with hypogammaglobulinemia (Leung and Szefler). 2010;126:51 (The editors' choice)

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Allergic Rhinitis and its Impact on Asthma (ARIA) guidelines: 2010 revision (Brożek et al). 2010;126:466-76
Allergic rhinitis as a predictor for wheezing onset in school-aged children (Rochat et al). 2010;126: 1170-5
Are free light chain immunoglobulins related to nasal local allergic rhinitis? (Rondón et al). 2010;126:677 (Correspondence)
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Children with allergic and nonallergic rhinitis have a similar risk of asthma (Chawes et al). 2010;126:567-73
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Long-lasting effects of sublingual immunotherapy according to its duration: a 15-year prospective study (Marogna et al). 2010;126:969-75
Uncontrolled allergic rhinitis during treatment and its impact on quality of life: a cluster randomized

trial (Bousquet et al). 2010;126:666-8 (Letter to the editor)

Rhinitis, allergic, seasonal; *see* Hay fever

Rhinosinusitis; *see* Sinusitis

Rhinovirus

Are rhinoviral proteinases responsible for mixed T_H1 and T_H2 immunity in chronic obstructive pulmonary disease? (Upham and Pritchard). 2010;126:1318 (Correspondence)

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Rye *(Secale cereale)*

Exposure of rye *(Secale cereale)* cultivars to elevated ozone levels increases the allergen content in pollen (Eckl-Dorna et al). 2010;126: 1315-7 (Letter to the editor)

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Salmeterol

Long-acting anticholinergic therapy: new recommendation in asthma? (Rothenberg and Bousquet). 2010;126:1079 (News beyond our pages)

Once more the epithelium in asthma (Rothenberg and Bousquet). 2010;126:679 (News beyond our pages)

Seasonal variation

Acute exacerbations of chronic rhinosinusitis occur in a distinct seasonal pattern (Rank et al). 2010;126:168-9 (Letter to the editor)

Seasonality of influenza infection (Rothenberg and Bousquet). 2010;126:2 (News beyond our pages)

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Allergic rhinitis as a predictor for wheezing onset in school-aged children (Rochat et al). 2010;126: 1170-5

Arabinogalactan isolated from cowshed dust extract protects mice from allergic airway inflammation and sensitization (Peters et al). 2010;126:648-56

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Maternal consumption of peanut during pregnancy is associated with peanut sensitization in atopic infants (Sicherer et al). 2010;126:1191-7

Potential mechanisms for the hypothesized link between sunshine, vitamin D, and food allergy in children (Vassallo and Camargo). 2010;126: 217-22 (Rostrum)

The T-cell response to Amb a 1 is characterized by 3 dominant epitopes and multiple MHC restriction element (Jahn-Schmid et al). 2010;126:1068-71 (Letter to the editor)

Serum amyloid P-component

Serum amyloid P attenuates M_2 macrophage activation and protects against fungal spore–induced allergic airway disease (Moreira et al). 2010;126:712-21

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Gender differences in asthma development and remission during transition through puberty: the TRacking Adolescents' Individual Lives Survey (TRAILS) study (Vink et al). 2010;126:498-504

Pubertal stages are not associated with sex difference throughout puberty (Leung and Szefler). 2010;126:481 (The editors' choice)

Sinusitis

Acute exacerbations of chronic rhinosinusitis occur in a distinct seasonal pattern (Rank et al). 2010;126:168-9 (Letter to the editor)

Regulation and characterization of IL-17A expression in patients with chronic rhinosinusitis and its relationship with eosinophilic inflammation (Makihara et al). 2010;126: 397-400 (Letter to the editor)

Skin diseases

Organ-specific eosinophilic disorders of the skin, lung, and gastrointestinal tract (Simon et al). 2010;126:3-13

Smoking; *see* Tobacco

Smooth-muscle cells

Expression of IL-4 receptor α on smooth muscle cells is not necessary for development of experimental allergic asthma (Kirstein et al). 2010;126:347-54

Mast cells infiltrate the esophageal smooth muscle in patients with eosinophilic esophagitis, express TGF-β1, and increase esophageal smooth muscle contraction (Aceves et al). 2010;126: 1198-204

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Fatal consequence of allergic rhinitis (Spector and Tan). 2010;126:1077 (Correspondence)

Soybeans

Early exposure to cow's milk protein is protective against IgE-mediated cow's milk protein allergy (Katz). 2010;126:77-82

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Effect of filaggrin breakdown products on growth of and protein expression by *Staphylococcus aureus* (Miajlovic et al). 2010;126:1184-90

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Statins enhance the anti-inflammatory effects of inhaled corticosteroids in asthmatic patients through increased induction of indoleamine 2, 3-dioxygenase (Maneechotesuwan et al). 2010;126:754-62

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Steroid-sparing effects with allergen-specific immunotherapy in children with asthma: a randomized controlled trial (Zielen et al). 2010;126:942-9

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Association between prostaglandin E receptor 3 polymorphisms and Stevens-Johnson syndrome identified by means of a genome-wide association study (Ueta et al). 2010;126:1218-25

T

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α4β7 Integrin is essential for contact hypersensitivity by regulating migration of T cells to skin (Ohmatsu et al). 2010;126:1267-76

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Low-dose, but not high-dose, cyclosporin A promotes regulatory T-cell induction, expansion, or both (Baumgrass et al). 2010;126:183-4 (Correspondence)

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T_H2 heterogeneity: Does function follow form? (Prussin and Upadhyaya). 2010;126:1094-8 (Rostrum)

The T-cell response to Amb a 1 is characterized by 3 dominant epitopes and multiple MHC restriction element (Jahn-Schmid et al). 2010;126:1068-71 (Letter to the editor)

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Characteristics of lymphocyte subsets in HIV-infected, long-term nonprogressor, and healthy Asian children through 12 years of age (Ananworanich et al). 2010;126:1294-301

Comparison of the allergic and nonallergic $CD4^+$ T-cell responses to the major dog allergen Can f 1 (Parvianen et al). 2010;126:406-8 (Letter to the editor)

Inducible costimulator (ICOS) is a marker for highly suppressive antigen-specific T cells sharing features of T_H17/T_H1 and regulatory T cells (Vocanson et al). 2010;126:280-9

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Ambient air pollution impairs regulatory T-cell function in asthma (Nadeau et al). 2010;126: 845-52
Gene-gene interaction in regulatory T–cell function in atopy and asthma development in childhood (Bottema et al). 2010;126:338-46
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Innate signals from Nod2 block respiratory tolerance and program T_H2-driven allergic inflammation (Duan et al). 2010;126:1284-93
Point mutants of forkhead box P3 that cause immune dysregulation, polyendocrinopathy, enteropathy, X-linked have diverse abilities to reprogram T cells into regulatory T cells (McMurchy et al). 2010;126:1242-51
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Flow cytometry imaging identifies rare T_H2 cells expressing thymic stromal lymphopoietin receptor in a "proallergic" milieu (Reefer et al). 2010;126:1049-58
Mechanical injury polarizes skin dendritic cells to elicit a T_H2 response by inducing cutaneous thymic stromal lymphopoietin expression (Oyoshi et al). 2010;126:976-84
Once more the epithelium in asthma (Rothenberg and Bousquet). 2010;126:679 (News beyond our pages)
Staphylococcus aureus membrane and diacylated lipopeptide induce thymic stromal lymphopoietin in keratinocytes through the Toll-like receptor 2–Toll-like receptor 6 pathway (Vu et al). 2010;126:985-93
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Thymus gland
Mechanisms of tolerance to parental parathyroid tissue when combined with human allogeneic thymus transplantation (Chinn et al). 2010;126: 814-20

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The multitalented basophil (Rothenberg and Bousquet). 2010;126:680 (News beyond our pages)

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More reasons not to smoke during pregnancy (Rothenberg and Bousquet). 2010;126:423 (News beyond our pages)

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Toll-like receptors
Of mice and nickel (Rothenberg and Bousquet). 2010;126:1079 (News beyond our pages)
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Targeting Toll-like receptors on dendritic cells modifies the T_H2 response to peanut allergens *in vitro* (Pochard et al). 2010;126:92-7

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Mast cells infiltrate the esophageal smooth muscle in patients with eosinophilic esophagitis, express TGF-β1, and increase esophageal smooth muscle contraction (Aceves et al). 2010;126: 1198-204
TGF-β1: mediator of a feedback loop in eosinophilic esophagitis—or should we really say *mastocytic esophagitis*? (Abonia et al). 2010;126:1205-7 (Editorial)

Transmembrane activator and calcium modulator and cyclophilin ligand interactor (TACI)
The C104R mutant impairs the function of transmembrane activator and calcium modulator and cyclophilin ligand interactor (TACI) through haploinsufficiency (Lee et al). 2010;126:1234-41

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Induction of tolerance to parental parathyroid tissues in patients with complete DiGeorge anomaly (Leung and Szefler). 2010;126:711 (The editors' choice)

Mechanisms of tolerance to parental parathyroid tissue when combined with human allogeneic thymus transplantation (Chinn et al). 2010;126: 814-20

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Predictors of side effects during the buildup phase of venom immunotherapy for *Hymenoptera* venom allergy: the importance of baseline serum tryptase (Ruëff et al). 2010;126:105-11

U

Urticaria

Effective treatment of therapy-resistant chronic spontaneous urticaria with omalizumab (Magerl et al). 2010;126:665-6 (Letter to the editor)

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V

Varicella vaccine

Immune response to varicella vaccine in children with atopic dermatitis compared with nonatopic controls (Holliday and Leung). 2010;126: 1306-7 (Letter to the editor)

Varicella zoster virus

Association between varicella zoster virus infection and atopic dermatitis in early and late childhood: a case-control study (Silverberg et al). 2010;126: 300-5

Venom allergy; *see Hymenoptera*

Violence, inner-city

Exposure to community violence is associated with asthma hospitalizations and emergency department visits (Apter et al). 2010;126: 552-7

Virus diseases; *see also specific infections*

IgE negatively affects innate immunity (Rothenberg and Bousquet). 2010;126:185-6 (News beyond our pages)

Low serum 25-hydroxyvitamin D levels are associated with increased risk of viral coinfections in wheezing children (Jartti et al). 2010;126:1074-6 (Letter to the editor)

Respiratory tract viral infections are common in patients with hypogammaglobulinemia (Leung and Szefler). 2010;126:51 (The editors' choice)

Vitamin A

Prenatal vitamin A affects lung function after birth (Rothenberg and Bousquet). 2010;126:185 (News beyond our pages)

Vitamin D

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Vitamin D insufficiency increases the risk for severe asthma exacerbations (Leung and Szefler). 2010;126:50 (The editors' choice)

Vitamin D receptor binds to the ϵ germline gene promoter and exhibits transrepressive activity (Milovanovic et al). 2010;126:1016-23

W

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Influenza epidemiology (Rothenberg and Bousquet). 2010;126:2 (News beyond our pages)

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Allergic rhinitis as a predictor for wheezing onset in school-aged children (Rochat et al). 2010;126: 1170-5

Early childhood weight status in relation to asthma development in high-risk children (Zhang et al). 2010;126:1157-62

Evaluation of airway reactivity and immune characteristics as risk factors for wheezing early in life (Yao et al). 2010;126:483-8

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coinfections in wheezing children (Jartti et al). 2010;126:1074-6 (Letter to the editor)
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The effect of respiratory syncytial virus on subsequent recurrent wheezing in atopic and nonatopic children (Simões et al). 2010;126: 256-62
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Wheezing in preschool children is associated with increased levels of cytokines/chemokines in exhaled breath condensate (van de Kant et al). 2010;126:669-71 (Letter to the editor)

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Transplantation of hematopoietic stem cells and long-term survival for primary immunodeficiencies in Europe: Entering a new century, do we do better? (Gennery et al). 2010;126:602-10

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Z

ZAP70

Characterization of ξ-associated protein, 70 kd (ZAP70)–deficient human lymphocytes (Roifman et al). 2010;126:1226-33